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Quarterly Progress Report
Number 1

September 20, 1964

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Declass Review by NGA.

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☐ Project Number: 723
Title: PI Performance
Contract Dates: 6/19/64 - 6/19/66
Estimated Costs: ☐
Funds Expended to 8/31/64: ☐
Costs Remaining: ☐
Technical Representative: RW
Project Director: DNB
Project Staff: DNB, AH, WH, CHB, DAD, RAG, MLS

A monthly progress report for August 20, 1964 was not submitted. Several excuses are offered: there had been close personal communication with the technical representative; the program was greatly accelerated at the request of the customer; and, most importantly, the project director was trout fishing in the High Sierras at the time the report was due. Consequently, this report will cover the period from July 20, 1964 to September 20, 1964.

Expenditures

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The funds expended thus far represent an average monthly expenditure rate of approximately ☐, or a little more than two-thirds the estimated rate of approximately ☐ per month. The expenditure rate during the next quarter will probably increase, because of the accelerated PI performance data collection plan.

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Progress

During the last third of July, work continued on reviewing literature that might be relevant to the project. Also during that period, an examination was made (at the request of the technical representative) of the relative merits of a green versus a blue back-projection screen. A search was made for literature that might be relevant to the problem, and samples of the proposed screen

material were examined. An informal oral report of our conclusions was given to colleagues of the technical representative.

Early in August, DNB and AH spent a week at the sponsor's facility. A portion of the time was spent in preparing a briefing for the director regarding the relative merits of two different ground resolutions. The effort involved a subjective analysis of the same problem we are trying to solve objectively under this contract.

The most important event of the week was a request from the technical representatives that we provide some objective data by the end of October. Consequently, a target area was selected, flight arrangements were made, and test targets were built and placed in the target area. The mission was flown on August 28, and on that day, we made an inventory of the mobile targets in the target area. The following weekend, F² made ground photographs of the military installation. Since that time an effort has been made to key the photography using sponsor PI personnel, to develop performance tests, and to prepare the required collateral material.

It is difficult to estimate how much useful experimental work can be done before the end of October. We have made considerable progress in developing the tests as has FS in preparing the photography. The major questions now concern getting the subjects for sufficient amounts of time, scoring the responses and analyzing the data. We presently hope to start collecting PI performance data during the first week of October at the sponsor's facility in Washington.